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PUBLISHED BY AUTHORITY

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 31st January 1987

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The following holidays will be observed by the Patent Office, Calcutta during the calendar year, 1987 :—

Sl. No.	Holidays & connected Festivals	Date	Day of the week
01.	Republic Day	January, 26	Monday
02.	Vasant Panchami/Sripanchami	February, 02	Monday
03.	Holi	March, 16	Monday
04.	Mahavir Jayanti	April, 12	Sunday
05.	Good Friday	April, 17	Friday
06.	Budha Purnima	May, 13	Wednesday
07.	Idu'l Fitr**	May, 29	Friday
08.	Idu'z Zuha**	August, 06	Thursday
09.	Independence Day	August, 15	Saturday
10.	Muharram	September, 05	Saturday
11.	Dussehra/Mahaashtami	September, 30	Wednesday
12.	Dussehra/Vijaya Dashami	October, 02	Friday
13.	Mahatma Gandhi's B'day	October, 02	Friday
14.	Diwali	October, 22	Thursday
15.	Guru Nanak's Birthday	November, 05	Thursday
16.	Christmas Day	December, 25	Friday

**Subject to change depending on appearance of moon.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 24th December, 1986

- 943/Cal/86. Sri Bhanu Das. Inflammable gas leakage detector.
- 944/Cal/86. The Mica Trading Corporation of India Ltd. Improved building and/or constructional materials having mica and a method of preparing same.
- 945/Cal/86. Awadh Bihari Kavi, "Sharom" a power driven machine for paddy cultivation.
- 946/Cal/86. Awadh Bihari Kavi. "Parom" Animal power driven machine for paddy cultivation.

The 26th December, 1986

- 947/Cal/86. Drew Chemical Corporation. Portable assembly for testing fluids.
- 948/Cal/86. Hitachi Construction Machinery Co. Ltd. Control system of hydraulic construction machinery.
- 949/Cal/86. Siemens Aktiengesellschaft. Tower design for high-voltage systems.
- 950/Cal/86. Veb Kombinat Polygraph "Werner Lamberz" Leipzig. Damping Apparatus. (30th October, 1986) U.K.
- 951/Cal/86. Dr. Rifat Gjota. Winding arrangement of a stator and/or rotor of a three-phase generator or electromotor with improved performances.

The 29th December 1986

- 952/Cal/86. Gur Charan Saini. Improvements in table lamps.
- 953/Cal/86. Surgikos, Inc. Disinfecting and sterilizing composition.
- 954/Cal/86. Abanindra Nath Ghosh. An accessory for running petrol engines with diesel and a other oils.
- 955/Cal/86. Sri Pradip Kumar Routh. Akshoy-chimney-pollutant swallower-absorbant-liquid (ACPS-AL).

The 30th December 1986

956/Cal/86. Dominique Dervieux. A device for relief of pain and muscle contraction utilising the discharge of sparks, particularly of piezo-electric origine having bipolar electrodes. [Addition to No. 578/Cal/85].

957/Cal/86. Warman International Limited. Centrifugal Seal. (9th January, 1986) Australia.

The 31st December, 1986

958/Cal/86. Rostovsky Gosudarstvenny Universitet Imeni M.A. Suslova. Mixed-Engagement Gearing.

959/Cal/86. Alfonso G. Puyat and Adolfo P. Alegre. Multi-fuel vapor charge system and device for internal combustion engine.

960/Cal/86. Jose Mendoza Sulit. Improved Toothbrush.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 1st December, 1986

1045/Del/86. Shri Ram Fibres Limited. "An Improved method for Treatment of Leather".

1046/Del/86. Electronics Commission, "A track monitoring circuit".

1047/Del/86. Shri Ram Fibres Limited, "A process for preparation of Microcrystalline polymer".

1048/Del/86. Sri Chunnilal Lakhaji Mistry and others, "Folding Baby cradle".

1049/Del/86. Imperial Chemical Industries Plc. "Novel catalyst systems for the preparation of foams containing Isocyanurate and urethane linkages". (Convention date 18th December, 1985) (U.K.).

1050/Del/86. The B. F. Goodrich Company, "Polycycloolefins Resistant to solvents".

1051/Del/86. Solvay & Cie, "Antigenic proteins and vaccines containing them for prevention of coccidiosis".

The 3rd December, 1986

1052/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of novel CIS-1-Benzoyl-1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-Pyrido (3, 2-b) Carbazole and CIS-4-Benzoyl-1, 2, 3, 4, 4a, 5, 6, 11a, octahydro-7H-pyrido (2, 3-c) Carbazole".

1053/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of novel CIS 1, 2, 3, 4, 4a, 5, 11, 11a-octahydro -6H-pyrido (3, 2-b) Carbazole."

1054/Del/85. Council of Scientific and Industrial Research, "A process for the synthesis of novel CIS 1, 2, 3, 4, 4a, 5, 6, 11c-octahydro-7H-pyrido (2, 3-c) carbazole."

1055/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of novel CIS-1-Methyl-1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-Pyrido (3, 2-b) Carbazole."

1056/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of cis-1-alkyl-substituted-1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-pyrido (3, 2-b) Carbazole."

1057/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of CIS-4-Alkyl-Substituted-1, 2, 3, 4, 4a, 5, 6, 11c-Octahydro-7H-Pyrido (2, 3-c) carbazole".

1058/Del/86. Council of Scientific and Industrial Research, "A process for the synthesis of CIS-4-methyl 1, 2, 3, 4, 4a, 5, 6, 11 c-octahydro-7H-pyrido (2, 3-c) Carbazole".

1059/Del/86. Shree Jeet Bahadur Singh, "A drilling and boring machine".

1060/Del/86. Andrzej Tomasz Iwanicki, "Pipe coupling". [Divisional date 9th February, 1984].

1061/Del/86. Andrzej Tomasz Iwanicki, "Pipe coupling". [Divisional date 9th February, 1984].

1062/Del/86. Uniroyal Chemical Company, Inc., "Elastomeric composition and Process for the production thereof".

1063/Del/86. Imperial Chemical Industries Plc, "Electrode". (Convention date 16th December, 1985, U.K.).

The 4th December 1986

1064/Del/86. Card-O-Matic Pty. Limited, "An apparatus and method for forming and inserting field windings in the cores of axial". (Convention date 31st March, 1983 Australia). [Divisional date 12th March, 1984].

1065/Del/86. Jean Guigan, "Method and apparatus for delivering a predetermined quantity of plasma from a blood sample for analysis purposes".

1066/Del/86. Videocolor, "Dual-pressure Jack".

1067/Del/86. Goro S.A., "An apparatus for fastening stirrup-links on a conveyor-belt or the link".

The 5th December 1986

1068/Del/86. Ellis (Colchester) Limited, "Lock Mechanisms." (Convention date 9th December, 1985 U.K.).

1069/Del/86. Council of Scientific and Industrial Research, "An improved process for briquetting chrom ore fines and concentrates".

1070/Del/86. Council of Scientific and Industrial Research, "Lubricating oil for two stroke petrol engines".

1071/Del/86. Herman J. Schellstede, "Well penetration apparatus and method".

1072/Del/86. Alcan International Limited, "Lubricating composition and method". (Conventional date 6th December, 1985 U.K.).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATE, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

The 4th November 1986

303/Bom/86. Joaquim Antonio Valadares. An unbalance turbine.

304/Bom/86. Joaquim Antonio Valadares. Turbo speed cum torque converter.

305/Bom/86. Madhusudan Hiralal Desai. Vacuum assisted evaporative cooler.

306/Bom/86. Joshi Nandakumar Ramachandra. Method of minimization of offset errors in Analog to Digital converters and Digital Voltmeter.

307/Bom/86. Joshi Nandakumar Ramachandra. Method of minimization of error and jitter in Analog to Digital Conversion and Digital Voltmeters caused by changes in power line frequency.

308/Bom/86. Joshi Nandakumar Ramachandra. Multichannel Analog to Digital converters with high speed and accuracy.

The 5th November 1986

309/Bom/86. Arun Khanna. A spare divider system.

The 6th November 1986

310/Bom/86. Marathe Engineering Industries. Linear tensioner suitable for variable speed drives as used in the textile machines of the ASVSI type.

The 10th November 1986

311/Bom/86. V. I. P. Industries Ltd. A padded handle for a container such as suitcase.

312/Bom/86. Harendra Haribhai Mamtara & Paresh Haribhai Mamtara. An improved floor door closure.

The 12th November 1986

313/Bom/86. Hindustan Lever Limited. Process for making toothpaste. 14th November 1985. Gr. Britain.

The 14th November 1986

314/Bom/86. Ashok Jayantilal Mehta. An improved system of locking and fixing fixtures in channels and the like.

The 17th November 1986

315/Bom/86. Vishvas Vishvanathan Deshmukh. Mechanical book keeper.

The 19th November 1986

316/Bom/86. Methe Rajaram Atmaram. Continuous milk measurer.

The 20th November 1986

317/Bom/86. Bhanubhai Somabhai Patel. An improved pilfer proof container.

The 21st November 1986

318/Bom/86. Nirmal Pannalal. Explosives actuated pneumatic levator.

319/Bom/86. Nirmal Pannalal. Non-Conventional energy release and storage system.

The 24th November 1986

320/Bom/86. Smt. Manju Agrawal & Mohandas Agrawal. Improved envelope type answer copies.

321/Bom/86. Smt. Manju Agrawal & Mohandas Agrawal. Improvements in or relating to Cigarette or Cigar or Bidi.

APPLICATION FOR PATENTS FILING AT FOR PATENTS OFFICE BRANCH

MADRAS 61, WALLAJAH ROAD, MADRAS-600 002

The 8th December 1986

949/Mas/86. EDDIYA GOPALA KRISHNA RAO, "Machine Tool Drive in Oscillatory Mode".

950/Mas/86. SORG GMBH AND CO. KG., Glass Melting Furnace with Improved Efficiency.

951/Mas/86. AIR PRODUCTS AND CHEMICALS, INC., Fluorinated Polymeric Membranes for Gas Separation Processes.

The 9th December 1986

952/Mas/86. LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, "Improvements Relating To Brake Actuators". (10th December, 1985, United Kingdom).

953/Mas/86. AARDELITE HOLDING B V, Method for producing a building element from a fly ash comprising material and building element formed. (7th November, 1986, Australia).

954/Mas/86. LINDE AKTIENGESellschaft, Pressure swing Adsorption Process.

955/Mas/86. HALLITE HOLDINGS LIMITED, "Making Sealing Ring Assemblies". (16th December, 1985, G. Britain).

956/Mas/86. DONALD IAN GUY MACLEOD, Well Pump. (11th December, 1986, Australia).

957/Mas/86. MERLIN GERIN OF RUE HENRI TARZE, "Isolating Switch of a High Voltage Metalclad Installation".

The 10th December 1986

958/Mas/86. J. V. SREEDHAR AND J. VIJAYAKUMAR, Improved way of Producing Temperature indicating Crayons.

959/Mas/86. SCHUBERT AND SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, "A Method and Device for Spinning Fibres."

960/Mas/86. KANSAI PAINT CO. LTD., Electrodeposition Coating Method.

961/Mas/86. THE MARLEY COOLING TOWER COMPANY, "Extruded Fill Bar for Water Cooling Towers".

The 11th December 1986

962/Mas/86. STAMICARBON B. V., Process for the Preparation of Polyethylene Objects Having a High Strength and a High Modulus.

963/Mas/86. NIPPON CHEMIPHER CO. LTD., A Process for the Preparation of 1,3-Oxazoliding-2-One Derivative. (Divisional Patent Application No. 382/MAS/85).

The 11th December 1986

964/Mas/86. ALLIED CORPORATION, Tractor Air Pressure Braking System.

The 12th December 1986

965/Mas/86. DUPRAT—SELVARAJAN LEOPOLD JOSEPH, A Device for Recharging Dry Cells.

966/Mas/86. C. H. KRISHNAMURTHI RAO AND OTHERS, Improvements in or relating to Electrodes for Electrochemical Processes and process for Manufacture thereof.

967/Mas/86. C. H. KRISHNAMURTHI RAO AND OTHERS, Improvements in or relating to Electrodes for Electrochemical Processes and process for manufacture thereof.

968/Mas/86. BRITISH-AMERICAN TOBACCO COMPANY LIMITED, Improvements Relating to Smoking Articles. (23rd December, 1985, U.K.).

969/Mas/86. STAMICARBON B. V., Catalyst system for High-Temperature (Co) Polymerization of Ethylene.

The 15th December 1986

970/Mas/86. OTTIVAKKAM NATARAJAN DEVARAJAN, "Improvement in or relating to seeding material, Mechanism to an Engine and the Like Device".

971/Mas/86. BBC BROWN BOVERI AND COMPANY LIMITED, High Speed Water Separator.

972/Mas/86. KIMBERLY-CLARK CORPORATION, A Smoking Article. (Divisional Patent Application No. 581/MAS/84).

973/Mas/86. ALUMINIUM PECHINERY, "Improved Process for the Purification of Metals by Fractional Crystallisation".

974/Mas/86. GEA ENERGIESYSTEMTECHNIC GMBH AND CO., "Apparatus for the Separating of Solid Impurities particles from cooling water for Power Stations and the like".

975/Mas/86. BRITISH TELECOMMUNICATIONS PUBLIC LIMITED CO., Telecommunications network and Method. (18th December, 1985, U.K.).

976/Mas/86. SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., "A Process for the preparation of Hydrocarbons by catalytic Reaction of Carbon Monoxide with Hydrogen". (Divisional Patent Application No. 292/MAS/84).

The 16th December 1986

977/Mas/86. ILLIPARAMBIL MANUEL JOS, A Combined Bookshelf, Chair and Step-Ladder.

978/Mas/86. CHARBONNAGES DE FRANCE, Fluidized-Bed Heat Generator with Improved Means for ash Removal and Heat Recovery.

979/Mas/86. Ludvig Svensson International B. V., Curtain Fabrics for Greenhouses and Shade Halls.

980/Mas/86. SCHUBERT AND SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, "A Method and Device for Rejoining the Thread in an Open-end Friction-Spinning Device".

981/Mas/86. INCO ALLOYS INTERNATIONAL INC., Formation of intermetallic and intermetallic-type precursor alloys for subsequent mechanical alloying applications.

982/Mas/86. INCO ALLOYS INTERNATIONAL INC., Formation of intermetallic and intermetallic-type precursor alloys for subsequent mechanical alloying applications.

983/Mas/86. SOCIÉTÉ ETUDES SCIENTIFIQUES ET INDUSTRIELLE DE L'ÎLE-DE-FRANCE, "New Benzamides, a method of obtaining them and their therapeutic Applications".

The 17th December 1986

984/Mas/86. THE DOW CHEMICAL COMPANY, Lubricants for Reciprocating Air Compressors.

985/Mas/86. The BRITISH PETROLEUM COMPANY P. L. C., "Method for Assessing Diamond Quality. (19th December, 1985, United Kingdom).

986/Mas/86. HEDEN-TEAM AKTIENGESELLSCHAFT, "An Apparatus for Automatically Making Food Products such as Bread, Cakes and The Like". (23rd December, 1985, Canada).

987/Mas/86. TAKESHI HOYA, Pressure-Feeding Apparatus.

988/Mas/86. ZELLWEGER USTER LTD., "Process and Device for Determining the surface structure of a longitudinally extended test body, especially for measuring the hairiness of a yarn."

The 18th December 1986

989/Mas/86. JOHN RICHARD GUMLEY, Lightning Conductor. (19th December, 1985, Australia).

990/Mas/86. THE DOW CHEMICAL COMPANY, "A Method for Making an Improved solid Polymer Electrolyte Electrode using a Liquid or Solvent".

991/Mas/86. THE DOW CHEMICAL COMPANY, AN Improved Solid Polymer Electrolyte Electrode.

992/Mas/86. ALLIED CORPORATION, Dual Circuit Brake Valve.

993/Mas/86. CABOT CORPORATION, Process for Modifying the surface characteristics of Carbon Black and Carbon Black Produced Thereby.

The 19th December 1986

994/Mas/86. GURUNATH KAYA PILLAI, Electronic Teaching Aid.

995/Mas/86. RAMESHCHANDRA PANDITRAO PALNITKAR & OTHERS, Improvements in or Relating to Transmission Drives for Bicycles, Cycle Rickshaws or the Like.

996/Mas/86. POTHIREDDYGART LAKSHMINARAYANA REDDY AND OTHERS, An Improved Tower Solt.

997/Mas/86. FOSECO INTERNATIONAL LIMITED, Method, Apparatus and Feeder Sleeves for the Production of Casting Moulds.

998/Mas/86. TAMAQ MORTTA, "A Magnetic Fastener".

ALTERATION OF DATE

158827.
(19/Bom/85).

Ante dated to 29th May, 1982.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 6A₂. 158807

Int. Cl. : F16k 17/16 & F17c 13/06.

"RUPTURABLE PRESSURE RELIEF APPARATUS INCORPORATING A REVERSE BUCKLING RUPTURE DISK"

Applicant : BS & B SAFETY SYSTEMS, LIMITED, an Irish Company of Bay G-1 Raheen Industrial Estate, Raheen Country, Limerick, Ireland.

Inventor : MICHAEL CHRISTOPHER FINNEGAN.

Application for patent No. 937/Del/82 filed on 24th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A rupturable pressure relief apparatus comprising a reverse buckling rupture disk having a central concave-convex portion connected to an annular peripheral flange portion by annular transition means, a support member located on the concave side of said disk against said annular flange portion and clamped between a first bolt flange for inlet of fluid under pressure and a second bolt flange for outlet of said fluid on reversal and rupture of said disk,

and an annular support ring welded to the face of said annular flange portion on the convex side of said disk, said support ring also being welded to said support member.

Compl. Specn. 13 pages.

Drg. 2 sheets.

CLASS : 130G.

158808

Int. Cl. : C22b 9/00.

"PROCESS OF REFINING FERROCHROMIUM METAL"

Applicant : FERROHOME LIMITED, a British Company of Hassell Chambers, 2 Hassell Street, Newcastle under Lyme, Staffordshire, ST5 1QB, United Kingdom.

Inventor : THOMAS ROBERT CURR AND NICHOLAS ADRIAN BARCZA.

Application for Patent No. 946/DEL/1982 filed on 31st December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

15 Claims

A process for the refining of ferrochromium metal, which comprises heating a mixture of the ferrochromium metal and a suitable metal oxide in a substantially carbon free environment and in the presence of a transferred arc thermal plasma thereby to effect a liquid slag to liquid metal refining of the ferrochromium metal feed.

Compl. Specn. 9 pages.

CLASS : 32 F&D.

158809

Int. Cl. : B22c 1/16, 1/20.

"A METHOD OF MAKING FOUNDRY MOULDSAND CORES."

Applicant : BORDEN (UK) LIMITED a British Company of North Baddesley, Southampton, SO5 9ZB, England. Inventors : PETER HERBERT RICHARD BRYAN LEMON, JEFFREY DARID RAILTON, PETER RAYMOND LUDLAM AND TIMOTHY JOHN REYNOLDS.

Application for Patent No. 5/DEL/83 filed on 4th January, 1983.

Convention Date on 9th February, 1982/8203668/(G.B.).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

12 Claims

A method of making a foundry mould or core which method comprises mixing a granular refractory material with from 0.5 to 8% of a binder which comprises.

(i) an aqueous solution, having a solids content of from 50 to 75% by weight of a potassium alkali phenolformaldehyde resin having the following characteristics :—

(a) a weight average molecular weight (MW) of from 600 to 1500;

(b) a formaldehyde : phenol molar ratio of from 1.2 : 1 to 2.6 : 1; and

(c) a KOH : phenol molar ratio of from 0.2 : 1 to 1.2 : 1; and

(ii) at least one silane in an amount of from 0.05 to 3% by weight on the weight of the resin solution, forming the mixture in a vented core or mould box and gassing the formed mixture with at least one C₁ to C₃ alkyl formate to cure the binder.

Compl. Specn. 17 pages.

CLASS : 55 D(2).

158810

Int. Cl. : A 01n 9/00 and 11/00.

"METHOD FOR PREPARING SUGAR FREE RODENTICIDAL COMPOSITIONS."

Applicant : VELSICOL CHEMICAL CORPORATION, a corporation of the State of Delaware, of 341 East Ohio Street, Chicago, Illinois 60611, U. S. A.

Inventors : REMUS LAZAR AND EMIL PATRICK LIRA.

Application for Patent No. 10/DEL/83 filed on 10th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

A method for preparing sugar free rodenticidal compositions which comprises mixing a rodenticidal amount of the rodenticide of the kind such as herein described, a rodenticide attracting amount of an artificial sweetener of the kind such as herein described, from 70 to 95 weight percent of grain and from 1 to 10 weight percent of a vegetable oil.

Compl. Specn. *10* pages.

CLASS : 80 D.

158811

Int. Cl. : B01d 25/00.

"APPARATUS FOR MANUFACTURE OF DEWATERING SCREEN".

Applicant : ALAN DAVID BALDWIN, an Australian citizen of 53 Melrose Avenue, Sylvania, New South Wales, 2224, Australia.

Inventor : ALAN DAVID BALDWIN.

Application for Patent No. 19/Del/83 filed on 13th January, 1983.

Convention date 19th January, 1982/PF 2343/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

Apparatus for the manufacture of a dewatering screen comprising a plurality of screen wires disposed on a frusto-conical surface and oriented in the axial direction of said surface, characterised in that the apparatus has a plurality of screen wire support members forming a frusto-conical surface each support member having on its outer surface a plurality of parallel grooves dimensioned for the reception of said screen wires, the support members form a screen wire support of frusto-conical shape with said grooves oriented in the axial direction of the screen.

Compl. Specn. 11 pages.

Drg. 5 sheets.

CLASS : 131 B_j.

158812

Int. Cl. : B67d 5/40.

"IMPROVED ANTI GAS LOCKING APPARATUS FOR A DOWNHOLE PUMP".

Applicant : DRESSER INDUSTRIES, INC., a corporation organised under the laws of the states of Delaware, United States of America, having its principal place of business at the Dresser Building, Dln. and Akard Streets, Post Office Box 718, Dallas, Texas 75221. United States of America.

Inventor : ELTON LEMON DRAKE.

Application for patent No. 20/Del/83 filed on 13th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

An apparatus for preventing gas locking of a downhole pump, said apparatus being of the type suspended from the pump and having a tubular sleeve communicating at its upper end with the inlet of the pump, a tubular housing disposed concentrically about the sleeve and having openings through upper portions thereof to receive well fluids into the annulus between the sleeve and the housing, and a cross over assembly fluidly communicating said annulus with the interior of the sleeve the cross over assembly including :—

a cross-over diffuser including :

a jacket member 62 having a lower portion 68 disposed within lower portions of the housing, a reduced diameter upper portion mating with the lower end of the sleeve, and a frusto conical intermediate portion between said upper and lower portions, wherein a plurality of apertures are formed through said intermediate portion of the jacket member;

an upwardly converging dome member 64 disposed within the intermediate portion of said jacket member and having an aperture formed there through for each aperture formed through the jacket member, said dome having a lower end spaced a selected distance above the lower end of the jacket member; and

a plurality of webs connecting the jacket member to the dome member about each set of aperture formed through the jacket member and the dome member so as to form with each set of apertures an inlet passage from said annulus to the interior of the dome member and so as to form a plurality of outlet passages from the interior of the dome to the upper portion of the jacket member; and

an impeller disposed within the lower portion of the jacket member, the dome member converging more rapidly than the intermediate portion of the jacket member such that said outlet passages radially diverge toward the upper portion of the jacket member;

webs disposed to either side of apertures formed through the jacket member and the dome member curving about the dome member with an ever increasing vertical slope such that portions of such webs adjacent the upper portion of the jacket member are disposed substantially parallel to the axis of the housing and sleeve and portions of such webs adjacent the lower end of the dome member make a small angle with a plane perpendicular to said axis of the housing end sleeve;

the vanes of the impeller increasing in vertical dimension from central portions of the impeller towards the outer periphery thereof; and

wherein the cross-over diffuser further comprises a flow shaping vane spiraling about said dome member within each of the outlet passages substantially equidistant to the webs forming the walls of the inlet and outlet passages, said flow shaping vanes having an ever increasing upward slope from the lower end of said dome member to the upper end of said dome member such that upper portions of said flow shaping vanes are disposed substantially parallel to the axis of the housing and sleeve and lower portions thereof make a small angle with a plane perpendicular to said axis of the housing and sleeve.

Compl. Specn. 22 pages.

Drg. 3 sheets.

CLASS : 69 D & I.

158813

5 Claims

Int. Cl. : H01h 1/00.

"A DEVICE FOR RESILIENTLY HOLDING A CONTACT BRIDGE IN COMBINATION WITH SAID CONTACT BRIDGE".

Applicant : LA TELEMECANIQUE ELECTRIQUE of 33 bis, avenue du Marechal-Joffre, 92000 Nanterre, France, a French company.

Inventors : JEAN PIERRE GUERY & ANDRE ZWARY-CZ.

Application for patent no. 21/Del/83 filed on 14th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A device for resiliently holding a contact bridge in combination with said contact bridge comprising : an insulating contact carrier having a base portion and at least one hollow column having a first plane of symmetry and projecting from said base portion, said column having first end portion connected to the said base portion and second free end portion; said column having externally at its top a bearing surface and an inner cavity opening at said second end portion; a shoulder formed within the said first end portion and a contact pressure spring having first and second end turns, said pressure spring being lodged in the said inner cavity with the second end turn thereof bearing on said shoulder; an elongate U-shaped stirrup having two substantially parallel legs symmetrically arranged with respect to said first plane of symmetry, said legs having first and second ends and a crosspiece connecting said legs at the first ends thereof, said stirrup being slidably mounted within said cavity with the second ends of its legs projecting out of said cavity and with hooked portions terminating the said second ends, said pressure spring being located between the said legs with its first end turn bearing on the said crosspiece; a generally cup-shaped elongate movable contact bridge symmetrically arranged with respect to a second plane of symmetry of the column and of the stirrup and extending in a direction substantially at right angles to the said second plane of symmetry, said contact bridge passing through the space delimited by said second end portion of the column, the second ends of the legs and the said hooked portions, said hooked portions being oriented towards each other and forming a gap therebetween in said plane of symmetry; a resilient blade symmetrically arranged with respect to the said first and second planes of symmetry having two end portions bearing on the cup-shaped contact bridge and a central folded portion having first and second pairs of sloping sides respectively converging towards first and second junction lines in the direction of the second end portion of the column, the respective hooked portions having ribs which each engage the two respective sloping sides of the second pair and only one of the sloping sides of the first pair.

Compl. Specn. 13 pages.

Drg. 2 sheets.

CLASS : 165 C and 127 A₈.

158814

Int. Cl. : D 05b 69/14, 69/18 and H 02k 7/10, 7/112.

"CLUTCH MOTOR ASSEMBLY FOR USE WITH INDUSTRIAL SEWING MACHINES."

Applicant : DLF UNIVERSAL LIMITED, of 21-22 Narindra Place, Parliament Street, New Delhi-110 001, India, an Indian Company.

Inventors : MADUR SRINIVASARAGHAVAN VARADARAJAN AND KAVIPRASAD ATMARAM GOEL.

Application for Patent No. 27/DEL/83 filed on 17th January, 1983.

Complete Specification left on 16th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

A clutch motor assembly comprising a motor having a motor shaft with a rotor mounted thereon, said motor having a stator, said motor being disposed within a motor housing consisting of a shell securedly held at one end to an end shield, and disposed in a spaced relationship to a cowl, the opposite end of said end shield securedly held to a flywheel housing, a plurality of fins mounted on said motor shaft and on either sides of said rotor, openings provided in said cowl for allowing introduction of air into said motor, said shaft extending into said flywheel housing and having a flywheel mounted thereon, a clutch housing securedly held to said flywheel housing with a clutch mounted on an output shaft disposed therein, a spring loaded actuating lever provided with said clutch with the flywheel, a plurality of openings provided in said flywheel, a plurality of openings provided in said flywheel housing for allowing a discharge of air, said openings being provided in the proximity of the outer surface of the shell, said stator being disposed in a spaced relationship to said shell so as to form an air duct therebetween.

Compl. Specn. 11 pages.

Drg. 2 sheets.

Provisional Specn. 5 pages.

CLASS : 5 D.

158815

Int. Cl. : A01b, 7/00.

IMPROVED TRACTOR DRIVEN ROTAVATOR.

Applicant : Raghbir Singh proprietor of Sobti Agro Industries, B-XXIII, 974/36, Ram Nagar, Samrala Road, Ludhiana-141 008, Indian national.

Inventor : Raghbir Singh.

Application for Patent No. 40/Del/1983 filed on 21st January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved tractor driven rotavator which consists essentially of a shaft on which a number of blades are mounted in a spiral manner such that the blades cut and plough the land not simultaneously but in 'one after another' sequence, the shaft is adapted to rotate as the tractor moves, the motion of the tractor being transmitted to the shaft through helical gears connected to the connecting rod of the tractor and a chain drive connecting the helical gears to the said shaft.

Provisional Specn. 2 pages.

Compl. Specn. 5 pages.

Drg. 2 sheets.

CLASS : 40 F.

158816

Int. Cl. : G05f 3/00.

"A DIGITAL SET POINT PROPORTIONAL CONTROL DEVICE FOR USE WITH PRECISION UNIT OPERATIONS IN THE CHEMICAL INDUSTRY".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : MARRIPUDI VENKATA SUBBA RAO & VINAYAK LAXMAN PATIL.

Application for patent no. 56/Del/83 filed on 2nd February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A digital set point proportional control device for use with precision unit operations in the chemical industry comprising a digital subtractor (1) having two inputs which are respectively connected to a measured signal (M) and

thumb wheel switch (S), one of its outputs being connected to one of the inputs of a divider counter (2) the other input of counter (2) being connected to the output of a clock (5) which generates an output squarewave signal of frequency (f), the output of the clock being also connected to one of the inputs of the resolution counter (3), the outputs of the divider counter (2) and the resolution counter (3) being respectively connected to the inputs of a control unit (4) and a binary counter unit (6), the outputs of the binary counter unit (6) being connected to the inputs of a code converter unit (7), the outputs of the code converter unit being connected to an actuator, the output of control unit (4) being connected to the control inputs of the divider counter (2), resolution counter (3), binary counter (6) and code converter unit (7), and the other output of subtractor (1) is connected to the code converter unit (7).

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 98-I.

158817

Int. Cl. : F 24 j 3/02.

SOLAR PHOTOELECTRIC MODULE.

Applicant & Inventors : (1) VLADIMIR KUZMICH BARANOV, LENINGRAD, ULITSA KRASNOPUTILOVSKAYA, 35, KV. 45, USSR, (2) AKHSARBK BORISOVICH PINOV, ORDZHONIKIDZE, ULITSA USHINSKOGO, 60/2, USSR, (3) VALERY NIKOLAEVICH POTAPOV, TIMIRYAZEVSAYA ULITSA, 13, KV. 213, MOSCOW, USSR, (4) VLADIMIR VASILIEVICH ROSTOKINSKY, NOVOROGZHSKAYA ULITSA II, KORPUS 2, KV. 27, MOSCOW, USSR, (5) STANISLAV VASILIEVICH RYABIKOV, PEREULOK VASNETSOVA, 12, KV. 64, MOSCOW, USSR, (6) VIKTOR ANATOLIEVICH SABELNIKOV, ULITSA AMUNDSENA, 3, KORPUS I, KV. 6, MOSCOW, USSR, (7) DMITRY SEMENOVICH STREBKOV, ULITSA B. GALUSHKINA, 20, KV. 79, MOSCOW, USSR, (8) EDUARD VLADIMIROVICH TVERYANOVICH, M. KOLKHOZNAYA PLOSHAD I, KV. 90, MOSCOW, USSR.

Application No. 839/Cal/83 filed July 7, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A solar photoelectric module, comprising a composite parabolic solar energy concentrator having an angle α between the symmetry axis of the concentrator and the extreme beam of a pencil of light entering therein and devised as a sealed gas filled bulb bearing a reflecting coating on the side walls thereof bending on a predetermined radius to a cylindrical part of the bulb near a concentrator radiation outlet surface, and a photoreceiver equipped with a cooling system in the form of a metal heat sink with air cooling ribs, wherein the photo-receiver and the cooling system thereof are arranged inside the bulb cylindrical part beside the concentrator radiation outlet surface and are separated from the bulb walls by a gap serving to permit convective flow of fluid.

Compl. Specn. 14 pages.

Drg. 2 sheets.

CLASS : 129-C & G.

158818

Int. Cl. : B 23 b 47/28.

METHOD FOR FABRICATING A MASTER PLATE AND A MASTER PLATE FABRICATED THEREBY HAVING FITTING BORES DISPOSED AT PRESPECIFIED CO-ORDINATE INTERVALS.

Applicant & Inventor : RUDI BLUMLE, OF SCHWARZ-BACHSTR. 52, D-7000 STUTTGART 80, WEST GERMANY.

Application No. 858/Cal/83 filed July 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method for producing a master plate having highly accurate fitting bores for fitting pins disposed at prespecified co-ordinate intervals in order to form a grid system, in particular for use as an initial template gauge, plate for making clamping plates for grid-type clamping systems, comprising,

drilling preliminary bores in a foundation plate at a specified dimension of grid intervals with normal accuracy, the term "normal accuracy" having the meaning as explained before,

forming a plurality of fitting sleeves with its outer diameter of lesser diameter than said preliminary bores,

inserting said fitting sleeves into said previously drilled preliminary bores forming an annular interspace between the outer diameter of said fitting sleeves and said preliminary bores,

accurately positioning the fitting sleeves in said preliminary bores by successive measurement and positioning said sleeves in the X and Y directions with equal measurements between all sleeves,

mechanically pre-fixing in any desired manner said sleeves on said foundation plate in their given precision position which has been located by measurement,

and introducing a settable plastic material into the annular interspace and permitting the plastic material to harden thereby fixing said sleeves in place.

Compl. Specn. 30 pages.

Drg. 1 sheet.

CLASS : 206-H.

158819

Int. Cl. : G 06 g 7/00.

A FUNCTION GENERATOR FOR EXTRACTING THE SQUARE ROOT OF AN INCOMING SIGNAL.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LA 70160, UNITED STATES OF AMERICA.

Inventor : 1. CHET JOSEPH SLABINSKI.

Application No. 861/Cal/83 filed July 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A function generator for extracting the square root of an incoming signal comprising memory means containing values relating to the desired function of said incoming signal, first counter means producing a series of digital pulses, first means for comparing said digital pulses with said values relating to said desired function, said first comparing means producing an output signal when equally between the total of said digital pulses produced by said first counter means and said values relating to said desired function has been achieved, second means for comparing said output signal produced by said first comparing means with said incoming signal, said second comparing means producing an output signal proportional to the duty cycle of said incoming signal and the duty cycle of said output signal produced by said first comparing means causing said memory means to cycle about the value contained therein relating to said incoming signal.

Compl. Specn. 13 pages.

Drg. 1 sheet.

CLASS : 70-B.

158820

Int. Cl. B 01 k 3/00.

ANODE FOR AN ELECTROLYTIC CELL AND A METHOD OF MAKING THE SAME.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MI 48064, UNITED STATES OF AMERICA.

Inventors : 1. STANFORD ROBERT OVSHINSKY,
2. KRISHNA SAPRU, 3. GAO LIANG.

Application No. 865/Cal/83 filed July 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

An anode for an electrolytic cell comprising :

(a) a substrate;

(b) a layer of a compositionally disordered multicomponent catalytic material applied to said substrate, said material including a first element comprising at least one transition metal element forming a host matrix, and said host matrix having incorporated therein at least one modifier element, said modifier element structurally modifying the local structural chemical environments of said material to disorder said material and create an increased density of catalytically active sites which are capable of acting as a catalyst for oxygen evolution in an electrolytic cell.

Compl. Specn. 40 pages.

Drg. Nil.

CLASS : 151-F.

158821

Int. Cl. : F 16 1 13/00.

A METHOD FOR FORMING A FLANGE ON A TERMINAL PORTION OF A THERMOPLASTIC LINER POSITIONED WITHIN A DUCTILE METAL PIPE HAVING A TERMINAL RADially EXTENDING FLANGE AND AN APPARATUS THERE FOR.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTRE, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors : 1. ELTON DELMONT PRUETER, 2. WALTER HEWITT WEST.

Application No. 880/Cal/83 filed July 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus for forming a flange on a terminal portion of a thermoplastic liner positioned within a ductile metal pipe having a terminal radially extending flange, the apparatus comprising means to rotatably support the plastic lined pipe means to rotate said plastic lined pipe; means to apply a heated gas to the exterior terminal portion of said liner adjacent said pipe flange; and a flange forming means generally coaxially positioned relative to said pipe for forcing the terminal portion of the liner against said pipe flange to thereby form a liner flange generally contiguous with the pipe flange.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 71-G & 126-B.

158822

Int. Cl. : G 01 v 1/00.

IMPROVED DEVICE FOR GENERATING ACOUSTIC SHEAR WAVES IN THE EARTH.

Applicant : INSTITUT FRANCAIS DU PETROLE, OF 4, AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON (FRANCE).

Inventors : 1. PIERRE-CLAUDE LAYOTTE, 2. JACQUES CHOLET, 3. PIERRE GROLET, 4. ROLAND HUIN.

Application No. 896/Cal/83 filed July 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An improved device for generating acoustic shear waves in the earth, comprising a target-member provided with an earth-coupling surface and at least one striking lateral

surface substantially perpendicular to said coupling surface, a mass for striking the target-member, a rigid arm pivoting with respect to a platform for supporting the mass and guiding its fall along a circular trajectory towards said lateral surface and operating means for lifting the mass by pivotation of the rigid arm, with respect to the platform, from a lower position where the mass is in contact with the striking lateral surface to an upper position wherefrom the fall is initiated, the target-member being connected through deformable coupling means to the lower part of a supporting rigid structure displaceable, with respect to the frame of a vehicle, from a position where the target-member is in contact with the earth and a lifted position, characterized in that the rigid structure is a cage comprising at its upper part an assembly for supporting the platform, the associated pivoting arm, as well as the rigid arm operating means, the target-member being connected to its lower part and said striking lateral surface being an inner wall of said target-member.

Compl. Specn. 14 pages.

Drg. 8 sheets.

CLASS : 99-E.

158823

Int. Cl. : F 17 c 13/12.

IMPROVEMENTS IN OR RELATING TO CONTAINERS FOR STORING FLUIDS.

Applicant & Inventor : TAJENDRA GARG, OF 6/1, BELVEDERE ROAD, ALIPORE, CALCUTTA-700 027, WEST BENGAL, INDIA.

Application No. 899/Cal/83 filed July 19, 1983.

Complete Specification left on July 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

An improved container or vessel for storage and/or transportation of fluid materials which comprises in combination,

a main body of the container or vessel having upper and lower ends, means for filling the said vessel with the fluid and means for withdrawing the fluid from the said container, wherein the inside volume or space of the said container is filled with a porous, permeable or semipermeable solid, or semi-solid mass which solid or semi-solid mass may by itself be heat conducting or is rendered conducting by introducing therein heat conducting material(s) for reducing temperature differential between core and the outside surface of the said container.

Prov. Specn. 9 pages.

Prov. Drg. 3 sheets.

Compl. Specn. 17 pages.

Compl. Drg. 1 sheet.

CLASS : 116-B.

158824

Int. Cl. : B 60 n 3/00.

AN IMPROVED APPARATUS FOR CHARGING SOLIDS UNDER COMPRESSION INTO A RECEPTACLE.

Applicant : SOCIETE INDUSTRIELLE DE TRANSPORTS AUTOMOBILES "SITA", OF 7 RUE DE LOGELBACH, 75017, PARIS, FRANCE.

Inventor : 1. CLAUDE DEMENALS.

Application No. 901/Cal/83 filed July 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for charging materials under compression into a receptacle (13) from a hopper (9) by means of two compression elements (1, 6) which are displaceable on guides (11) by drive means (4, 7), particularly jacks, the lower component (1) being hinged (3) to the lower part of the upper component (6), characterized in that the drive means (4, 7) are attached to the same point (2) at the upper

end of the lower component (1) by a hinge (2), which slides in the guides (11), whilst the second component or panel (6), the head (5) of which slides in the same guides, is connected to the first component (1) outside the guides (11) such that operation of at least one of the drive means (4, 7) produces a triangular configuration (1-6-4) of the two components with the drive means.

Compl. Specn. 13 pages.

Drg. 6 sheets.

CLASS : 28-A.

158825

Int. Cl. F 23 j 5/06.

THERMAL OXIDIZER FOR INCINERATING OF OBNOXIOUS FUMES.

Applicant : THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. JAMES WILLIAM BIRMINGHAM, 2. CRAIG RICHARD JOHNSON.

Application No. 913/Cal/83 filed July 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A fume incinerator for eliminating combustible fumes from an oxygen bearing process gas stream comprising :

(a) a housing defining therein a gas inlet plenum, a gas outlet plenum, and a combustion chamber there between;

(b) a burner assembly disposed axially within the housing between the inlet plenum and the combustion chamber, the burner assembly including a central fuel pipe for feeding auxiliary fuel to the combustion chamber, a primary air conduit opening into the combustion chamber and disposed coaxially about the central fuel feed pipe, and perforated mixing plate means disposed about the primary air conduit between the inlet plenum and the combustion chamber;

(c) a process gas stream supply duct for conveying the process gas to be incinerated to the housing;

(d) a first gas inlet duct interconnecting the supply duct to the primary air conduit for conveying a first process gas stream to the combustion chamber through the primary air conduit;

(e) a second gas inlet duct interconnecting the supply duct to the inlet plenum for conveying a second process gas stream to the combustion chamber through the perforated mixing plate means;

(f) first flow control means for regulating the flow of process gas through the first gas inlet duct in response to the flow rate of auxiliary fuel so as to control the ratio of fuel flow to first process gas stream flow; and

(g) second flow control means for regulating the flow of process gas through the second gas inlet duct in response to the difference in gas pressure between the process gas stream supply duct and the combustion chamber so as to maintain a constant static pressure differential there between.

Compl. Specn. 13 pages.

Drg. 1 sheet.

CLASS : 68-D.

158826

Int. Cl. : H 02 p 1/00.

A CONTROL SYSTEM FOR REGULATING THE ELECTRICAL POWER OUTPUT OF AN ELECTRICAL GENERATOR.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : 1. GUNTER KALLINA.

Application No. 927/Cal/83 filed July 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A control system for regulating the electrical power out of an electrical generator which is driven by a steam turbine that receives steam supply from a steam generator, and an electrical generator to be driven by the steam turbine, characterized in that said control system comprises a steam generator power input control means comprising adjusting means operable in a supply line to the steam generator for use in regulating said electrical power output by means of controlling the power input to the steam generator in dependence upon an adjusting signal which adjusting means are controlled by an electrical power output regulator which is arranged to operate in dependence upon the difference between actual and desired values of electrical output power, and an electrical mimic of a steam generator regulating stage for producing in dependence upon said adjusting signal, a pressure correction signal which can influence the input steam pressure to, and the steam flow through, the steam turbine.

Compl. Specn. 10 pages.

Drg. 1 sheet.

Ind. Cl. : 32Fga + 170B + D.

158827

Int. Cl. : C07C — 67/02, C11d — 1/04.

Title : A PROCESS FOR THE PREPARATION OF SURFACE ACTIVE FATTY ACID ESTER OF ALKALI METAL ISETHIONATES.

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEAVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. VINCENT LAMBERTI AND 2. WILDER FAIRBANKS PEASE.

Application No. 19/BOM/1985 Filed Jan. 16, 1985.

Divisional to Application No. 143/BOM/82 dated 29-5-1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

5 Claims

A process for preparing a fatty acid ester of alkali metal isethionates which comprises the steps of :—

(a) heating an aqueous solution of ethionic acid having concentration of 20% to 50% at a temperature of 80°C to 160°C to produce a solution of isethionic acid and sulphuric acid;

(b) neutralising the said solution of isethionic acid and sulphuric acid with a mixture of calcium hydroxide, and an alkali metal hydroxide the amount of the hydroxides being sufficient to substantially completely convert the sulphuric acid into hydrated calcium sulphate and the isethionic acid into an alkali metal isethionate.

(c) separating by any known method the alkali metal isethionate from the neutralised solution followed by reacting a fatty acid with the so prepared alkali metal isethionate in the presence of a known esterification catalyst, and a sufficient amount of an alkali or an alkali metal salt of an carboxylic acid, preferably a soap containing from 8 to 18 carbon atoms, so that the fatty acid ester obtained has a yellowness index less than 10.

Compl. Specn. 13 pages.

Drg. Nil.

Ind. Cl. : 86 B.

158828

Int. Cl. A 47 C, 3/00.

Title : AN IMPROVED CHAIR HAVING MODIFIED MECHANICAL MEANS FOR HEIGHT AND TILT ADJUSTMENTS.

Applicants & Inventor : DINESH JADHAVJI PARMAR, AN INDIAN NATIONAL OF 142, TODI ESTATE, 316, N. M. JOSHI MARG (DELISLE ROAD), BOMBAY-400 011, MAHARASHTRA, INDIA.

Application No. 31/Bom/1985 Filed on 8th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

2 Claims

An improved chair comprising a tubular leg base with or without wheels; an outer tubular member, removably fitted inside the bore of the said tubular leg base, having a top flange rotatably resting over the said leg base and provided with a threaded radial hole; an inner member sliding in the hole of the said outer tubular member having a plate fitted at the top and a vertically tapered groove provided in the side to be engaged by a key fixed at the face of a threaded handle passing through the said threaded hole, the said groove is deeper near the bottom which smoothly goes on reducing upwards; a lock pin fixed near the bottom of the said groove; a circumferential groove provided near the bottom end of the said outer tubular member in which a circlip is engaged; a spring housing fixed on the said top plate provided at the top of said inner member; at least one spring is provided in the said spring housing whose tension is adjustable by a tension adjusting bolt; the other end of the said spring abuts against a tilter plate and a bolt provided in a threaded hole near the bottom end of the said tilter plate for adjusting the gap between the said bolt and the said spring housing thereby adjusting or locking the tilt of the chair; a seat base tiltably fitted on the top of the said spring housing and cushioned seat provided on the said seat base in a known manner.

Compl. Specn. 8 pages.

Drg. 2 sheets.

Ind. Cl. : 68D, 69B.

158829

Int. Cl. : HO₃K 17/00.

Title : A THRESHOLD RELAY.

Applicant : ARVIND GOVIND MARATHE, AN INDIAN CITIZEN, TRUSTEE, MARATHE RESEARCH FOUNDATION, MANE BUILDING, SHRI GOVINDRAO-JI MARATHE MARG, MIRAJ-416 410, MAHARASHTRA, INDIA.

Inventor : 1. BALAKRISHNA SADASHIV BAPAT AND 2. ANANT BALWANT MARATHE.

Application No. 33/Bom/1985, Filed on 11th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

2 Claims

A Threshold relay comprising in combination :—

- (a) a PT (Power Transformer) circuit, and
- (b) a CT (Current Transformer) circuit, wherein said PT circuit (a) comprising :—

- (1) One fuse — F
- (2) Two Neon lamps — NL-1, NL-2
- (3) One Power Transformer — PT
- (4) Four diodes — D-1 to D-4
- (5) Two capacitors — C-1 and C-2
- (6) One Resistor — R-1
- (7) One Transistor — TR-1
- (8) One Zener diode — Z-1

said CT Circuit (b) comprising :—

- (1) One Current Transformer — CT
- (2) 6-diodes — D-5 to D-10 wherein diode D-9 is a reversing diode and diode D-10 is a blocking diode.
- (3) 3-Capacitors — C-3 to C-5
- (4) One Zener diode — Z-2
- (5) 18 Resistors — R-2 to R-19
- (6) One variable Resistor (Potentiometer) VR-1
- (7) One Integrated Circuit IC-1 having three amplification stages.
- (8) One transistor — TR-2

are connected in the manner indicated in the circuit diagram of Figure-1 wherein the input power from PT is stepped down and rectified to get 24 Volt Dc supply which is regulated by Zener diode Z-1 to supply regulated voltage to IC circuit, the CT secondary voltages which vary linearly to their primary currents are rectified by diodes D-5 to D-8 and D-9 to D-12 respectively and being fed to IC-1 having three stages of amplification which in turn drives the relay through transistor TR-2 wherein variable resistor means VR-1 is provided for adjusting the current setting.

Compl. Specn. 14 pages.

Drg. 2 sheets.

Ind. Cl. : 40F.

158830

Int. Cl. : B01D 13/00.

Title : A REVERSE OSMOSIS TUBULAR MODULE FOR USE IN A REVERSE OSMOSIS PLANT.

Applicant : BHABHA ATOMIC RESEARCH CENTRE, OF TROMBAY, BOMBAY-400 085, INDIA. A SCIENTIFIC INSTITUTION OF THE DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA.

Inventors : BRAJ MOHAN MISRA, KOCHEEKIZHKE-THIL CHACKO THOMAS, RABINARAYAN PATRA AND MELARCODE PARAMESWARA S. RAMANI.

Application No. 48/Bom/1985 Filed on 19th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

5 Claims

A reverse osmosis tubular module for use in a reverse osmosis plant, said module comprising a tubular shell one end of which is closed and the other end of which is open, said shell being provided with a feed inlet and reject outlet, said shell being further provided with a feed at its open end, the open end of said shell being sealed by a neoprene sheet, fibreglass reinforced plastic sheet, porous plastic sheet and stainless steel sheet arranged one over another in succession in close contact and bolted or otherwise fixedly mounted on said flange, said shell containing a tube bundle comprising a plurality of tubular membranes, one end of said tube bundle being closed and confronting said closed end of said shell and the other end of said tube bundle being open and running through said neoprene sheet in close contact therewith and disposed and supported in said fibreglass reinforced plastic sheet in close contact therewith, the open end of said tube bundle terminating at the outer surface of said fibreglass reinforced plastic sheet, the outer periphery of said tube bundle corresponding to the periphery of the opening at the open end of said shell, solvents permeating through said tube bundle flowing out via the open end of a said tube bundle and the periphery of said porous plastic sheet.

Compl. Specn. 7 pages.

Drg. 3 sheets.

Ind. Cl. : 163B₉, 163D.

158831

Int. Cl. : F04d-13/08.

Title : SUBMERSIBLE PUMP UNIT.

Applicant & Inventor : NARAYAN NARSINHA DESAI, INDIAN NATIONAL, OF A-13/A MIDC INDUSTRIAL ESTATE, PIMPRI, POONA-411 018, MAHARASHTRA, INDIA.

Application No. 17/Bom/1985 Filed on 9th May, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

4 Claims

A submersible pump unit having means for lowering down a pump unit in a fluid sump, tank or container and guiding the outlet of said pump to the inlet of a discharge pipe comprising :—

- (i) a single guide rail fixed between a pedestal at the bottom of said sump, tank or container and a guide rail holder at the top of the said sump, tank or container;
- (ii) a bracket having a tapered opening for sliding along the said guide rail, said tapered opening having a slot, outwardly extending arm rests and a connecting plate adapted to be securely fixed to the delivery outlet of the pump, said connecting plate having an opening matching with the opening in the said discharge outlet of the pump, said opening in the connecting plate being provided with a U-shaped gasket for sealing the surfaces;
- (iii) a pedestal provided at the bottom end of the sump, tank or container provided with an opening to accommodate the said opening in the said connecting plate of the said bracket, on one side and having the discharge pipe rigidly fixed thereto on the other side, a guide piece fixed to the pedestal which is adapted to slide into the said slot in the said bracket and supports to accommodate the said arm rests in the said bracket.

Compl. Specn. 8 pages.

Drg. 2 sheets.

Ind. Cl. : 179 C.

158832

Int. Cl. : B65D 41/32.

Title : A PILFER PROOF CONTAINER AND CLOSURE ASSEMBLY.

Applicants : PARLE PRODUCTS PRIVATE LIMITED OF NIRON HOUSE, 254-B Dr. ANNIE BESANT ROAD, BOMBAY-400 025.

Inventor : VIJAY KANTILAL CHAUHAN.

Application No. 73/Bom/1985, filed on 22nd March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

5 Claims

A pilfer-proof container and closure assembly, said assembly comprising a container provided with a mouth at its top surface or upper surface, said mouth being provided with a neck, the outer end or free end of said neck being beaded and provided with at least a pair of spaced apart outwardly projecting members each of said projecting members being provided with at least one weakening line across its length; and a closure for closing said mouth, said closure corresponding to and sitting flush with said mouth, and being provided with an upwardly bent portion around its periphery, said bent portion corresponding to and sitting flush with said neck, the outer end or free end of said bent portion being beaded and provided with outwardly projecting members corresponding to the outwardly projecting members associated with said neck, the outwardly projecting members associated with said bent portion being disposed above the outwardly projecting members associated with said

neck in close contact therewith and provided with weakening lines corresponding to the weakening lines in the outwardly projecting members associated with said neck, said closure being sealed to said container by sealing the corresponding outwardly projecting members to one another and said closure being unsealed from said container by breaking the outwardly projecting members along the weakening lines thereof.

Compl. Specn. 9 pages.

Drg. 1 sheet.

Ind. Cl. : 27, 0.

158833

Int. Cl. A47B — 96/20.

Title : A DEVICE FOR REMOVABLY OR DETACHABLY MOUNTING AT LEAST ONE PANEL AND A CONFIGURATION OR ARRANGEMENT OF PANELS FORMED BY USING THE SAME.

Applicant & Inventor : PRADEEP SINHA, 59 MATRI MANDIR, MANDIR SOCIETY, GOTRI ROAD, BARODA-390 015, GUJARAT, INDIA. AN INDIAN NATIONAL.

Application No. 76/Bom/1985 Filed on 27th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

9 Claims

A device for removably or detachably mounting at least one panel said device comprising a vertically disposed long support member provided with a recess at its upper end, said recess being provided with a threaded hole, said support member being further provided with a foot, said foot being provided with a recess, said panel being provided with a pair of projecting members at its edge where from said panel is to be mounted on said support member, said projecting members being as equally spaced apart as said recess at the upper end of said support member and said recess in said foot, the free or outer ends of said projecting members being adapted to be removably or detachably locatable in said recess at the upper end of said support member and said recess in said foot and a locking screw whereby said panel is locked onto said support member by engaging and tightening said screw in said threaded hole in said recess at the upper end of said support member, the head of said locking screw pressing against one of said projecting members located in said recess at the upper end of said support member thereby locking said projecting members and said one panel onto said support member.

Compl. Specn. 9 pages.

Drg. 7 sheets.

Ind. Cl. : 110. 127H.

158834

Int. Cl. : D04C—3/00, 3/48/D03d-35/00.

Title : ECCENTRIC TWIN-BEARING CAM ORBITTING DEVICE FOR THE ROCKER ARM OF THE BRAIDER.

Applicant & Inventor : HANS CHING-LONG HUANG (A CHINESE CITIZEN) (A TAIWAN NATIONAL) OF NO. 108, 4TH FLOOR, TIEN-YU, ST., TIEN-MU-SHIH-LIN, TAIPEI, TAIWAN, REPUBLIC OF CHINA.

Application No. 87/Bom/85 Filed on April 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

3 Claims

An eccentric twin-bearing cam orbiting device for the rocker arm of the braider, comprising an eccentric shaft provided by extension to one end of the rocker arm, particularly a cam rocker arm, said eccentric shaft incorporating two bearings at its frontal end, one of which is eccentric.

Compl. Specn. 6 pages.

Drg. 3 sheets.

Ind. Cl. : 5B.

158835

Int. Cl. : A01b 1/02.

temperature between 0°C to 5°C to obtain a benzene diazonium chloride of the formula III

Title : AN IMPROVED SPADE.

Applicant & Inventor : MOHANLAL PURUSHOTTAM-DAS TANK, INDIAN, RESIDING AT 482, OLD AERODROME ROAD, BHAVNAGAR-360 001, GUJARAT (2) BABULAL MANSUKHLAL PAREKH, INDIAN RESIDING AT JUTHA DOSHI'S STREET, MANDVI CHOWK, RAJKOT-360 001, GUJARAT, INDIA.

Application No. 111/BOM/85 Filed on April 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

4 Claims

An improved spade or pawda or pawrah or kodari or hoe or the like implement comprising a blade rigidly fixed with an adjustable clamping device for firmly holding a handle inside, it the said clamping device consisting of a circular socket having a side opening and the open ends provided with flanges; the said flanges having at least one common hole for passing there through a bolt which when tightened with the help of a nut, contracts the diameter of the socket and increases the grip on the handle of the said spade.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 32A1.

158836

Int. Cl. : C09B 31/20, 62/82.

Title : A PROCESS FOR THE PREPARATION OF NOVEL GREEN REACTIVE DYES.

Applicant : JAYSYNTH DYECHEM PVT. LTD., E-16, "EVEREST", TARDEO ROAD, BOMBAY-400 034, INDIA.

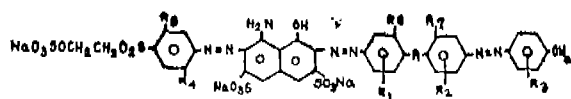
Inventor : DR. SHRIKANT HARI GOLE.

Application No. 50/BOM/1985 Filed on 21st February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

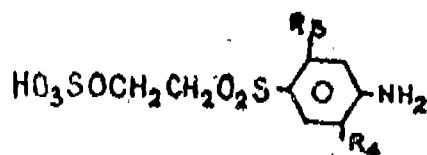
2 Claims

A novel process for the preparation of novel green reactive dyes of the formula IA

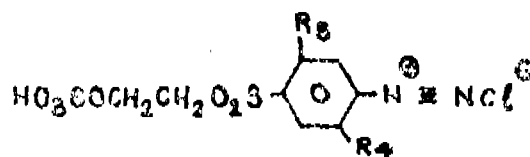


wherein R_1 , R_2 , and R_3 , each stands for hydrogen or methyl, R_4 stands hydrogen or methoxy, R_5 stands for hydrogen, methyl or methoxy, R_6 and R_7 each stands for hydrogen or sulfonic acid group and R stands for $-\text{CH}=\text{CH}-$, $-\text{SO}_2-$ or $-\text{NH}-$ bridging group, said process comprises :

(i) diazotising an aniline of the Formula II

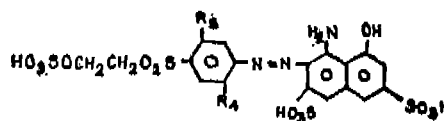


wherein R_4 and R_5 are as defined above, with hydrochloric acid and sodium nitrite in the presence of water and at a



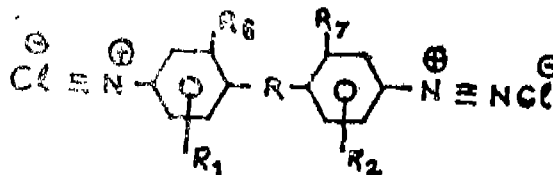
wherein R_4 and R_5 are as defined above;

(ii) coupling the benzene diazonium chloride of the formula III with 1-Naphthol-8-amino-3, 6-disulfonic acid in the presence of water and at a temperature between 0°C to 7°C to obtain a disulfonic acid of the formula IV

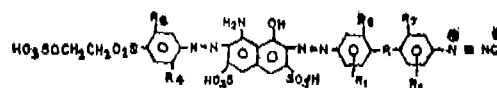


wherein R_4 and R_5 are as defined above;

(iii) further coupling the disulfonic acid of the formula IV with a tetrazonum chloride of the formula VA

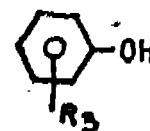


wherein R , R_1 , R_2 , R_3 , R_4 and R_7 are as defined above, in the presence of water and at a temperature between 0°C to 5°C to obtain a disulfonic acid of the formula VIA



wherein R , R_1 , R_2 , R_3 , R_4 , R_5 , R_6 and R_7 are as defined above;

(iv) further coupling the disulfonic acid of the formula VIA with a phenol of the formula VII



wherein R_3 is as defined above at a temperature between 0°C to 5°C and in the presence of an aqueous solution of sodium hydroxide to obtain the green reactive dye of the formula IA; and

(v) recovering the green reactive dye of the formula IA from the reaction mixture.

Comp. Specn. 13 pages.

Drg. 1 sheet.

CLASS : 28 F.

158837

Int. Cl. : F 23 d 11/00, F 24 c 5/10.

"AN IMPROVED LIQUID FUEL BURNER USED IN OIL FIRED FURNACES".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH Rafi Marg, New Delhi-110 001, India, an Indian, registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor : KODAVANTI MALLIKHARJUNA SWAMY, KALLEPALLY LAKSHMI NARAYANA, JOSYULA SAMBA MURTY.

Application for Patent No. 251/DEL/1982 filed on 25th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

An improved liquid fuel burner comprising a resonator connected to a combination of two concentric tubes by means of a set of rods for passing fuel through the outer tube and comprised air through the inner tube, a convergent divergent nozzle located at the exit end of the inner tube the space between the resonator and the outer end of the nozzle defining a cavity wherein shock waves are created as a result of interaction of the reflected stream from the resonator and ongoing stream characterised in that plurality of perforations are provided at the venturi section of the nozzle for the suction of the fuel from the outer tube to the venturi section to facilitate fuel air admixture before passing to the resonator.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 33A & D.

158838

Int. Cl. : B22d 17/32.

"AN IMPROVED LOW-PRESSURE METAL CASTING APPARATUS INCLUDING A DEVICE FOR CONTROLLING THE CASTING CYCLE THEREOF".

Applicant : ETUDE ET DEVELOPPEMENT EN METALLURGIE E.D.E.M., a Private Limited Company organized under the laws of France, of 29, rue des Chenes 64140 Billere, France.

Inventor : PIERRE LAURENT MERRIEN AND PIERRE ANDRE MERRIEN.

Application for Patent No. 526/DEL/1982 filed on 12th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

An improved low-pressure metal casting apparatus including a device for controlling the casting cycle thereof characterised in that said device comprises :

—an input-output indicating means for assimilating the indications on the various action variables, both real and delivered by the measurement elements situated on the casting device, as well as desired and transmitted by the operator, in a fashion so as to deliver them innumerical form and to transmit them to a calculator,

—a calculator associating the phase characteristics to the necessary evolutions to impose on the action variable and performing the related calculations necessary for the progress of the process, said calculator being connected, on the one hand, to a memory assembly and, on the other hand, to a controller means,

—a memory stocking in transitory fashion the information to be utilized in the course of casting and if desired on a long duration general information concerning the casting,

—a clock connected to a programmed assembly coordinating the activities of each of the elements,

—controller means activating valves in the casting apparatus and receiving this information, particularly from the memory and from the input-output indicating means and of the clock.

Compl. Specn. 32 pages.

Drg. 4 sheets.

CLASS : 32 B.

158839

Int. Cl. : C07c 15/00.

"PROCESS FOR THE PRODUCTION OF PURE AROMATIC HYDROCARBONS".

Applicant : KRUPP KOPPERS GmbH, a company organised under the laws of the Federal Republic of Germany of Moltkestrasse 29, D-4300 Essen 1, Federal Republic of Germany.

Inventors : GERHARD PREUSSER, MARTIN SCHULZE, GERD EMMRICH AND HANS CHRISTOPH SCHNEIDER.

Application for patent no. 580/Del/82 filed on 29th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Process for the production of pure aromatic hydrocarbons from hydrocarbon mixtures which, in addition to these aromatics, contain any possible quantity of non-aromatics, by liquid/liquid extraction and/or final distillation, characterised in that the initial and/or final distillation is carried out under an elevated pressure of up to 20 bars and at temperatures of up to 300°C, the pressure being set in each case such that the initial and/or final distillation can be operated at a higher temperature than the extraction stage and the heat content of the vapours thus obtained is utilised for column heating in the extraction stage operated at a low temperature.

Compl. Specn. 17 pages.

Drg. 2 sheets.

CLASS : 32F₂(b).

158840

Int. Cl. : C07d 49/38.

"A PROCESS FOR THE PREPARATION OF ALKYL 5(6)-(ISOTHIOCYANA-TOPHENYL) THIO/SULPHONO BENZIMIDAZOLE-2-CARBAMATES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act, (Act XXI of 1860).

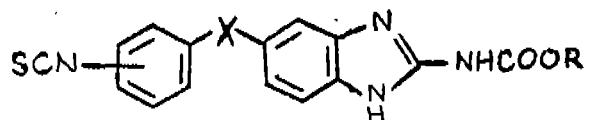
Inventors : SYED ABUZAR, SATYAVAN SHARMA, JAGDISH CHANDRA KATIYAR, AMIYA BHUSHAN SEN, SANJAY MOHAN JOHRI, SUMAN GUPTA, SHIVE RAM & KAMBHAPATTI VENKATA BABAJI.

Application for patent no. 674/Del/82 filed on 4th September, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

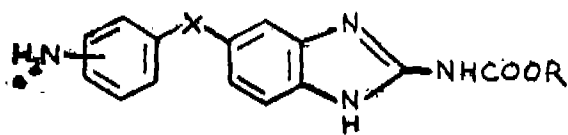
3 Claims

A process for the preparation of alkyl-5(6)-(isothiocyanatophenyl) thio/sulfono-benzimidazole-2-carbamates of general formula II



Formula II

comprising reacting corresponding carbanate of formula I



Formula 1

with thio phosgene in presence of an organic solvent, wherein R represents an alkyl radical like methyl or ethyl radical and X represents S or SO₂ group.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 32F₁ & 2 (b) & 55E₄.

158841

Int. Cl. : C07d 95/00, 97/00 & 99/00.

"PROCESS FOR THE PREPARATION OF ISOTHIO-CYANATO BENZOXA (THIA) ZINONES OF THERAPEUTIC INTEREST".

Applicant : INDIAN DRUGS & PHARMACEUTICALS LIMITED (A Government of India undertaking) having its registered office at IDPL Complex, Dundahera, Delhi-Gurgaon Road, Gurgaon-122 001, (Haryana) India, a company organised and existing under the laws of India.

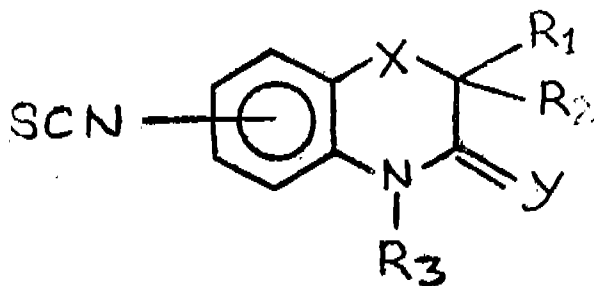
Inventors : DILBAGH RAI SHRIDHAR, MANDA JOGI-BHUKTA, KHANDAVILLI SRINIVASA RAO, VENKATA SUBRAMANIAN HARIHARA KRISHNAN, AWADESH NARAIN SINGH, KAMESH RASTOGI & MOTI LAL JAIN.

Application for patent no. 777/Del/82 filed on 23rd October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

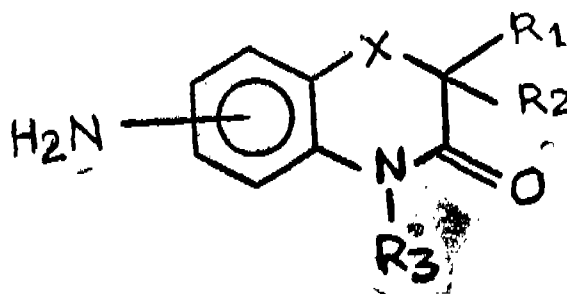
A process for the preparation of isothiocyanato benzoxa (thia) zinones of general formula I



Formula I

wherein X is O or S, Y is O which can be converted to 'S' using a conventional thiating agent, R₁, R₂ and R₃ are individually H or straight or branched chain (C₁₋₄) alkyl group or cycloalkyl or phenyl or phenyl group optionally substituted at ortho or meta and or para position(s) by one or more groups like halo or nitro or straight or branched chain lower alkyl group (1-4 carbon atoms) or CF₃ and the isothiocyanato function (NCS) being situated at 5- or

6- or 7- or 8- position, which comprises reacting the corresponding amino benzoxa (thia) zinones of formula 2



Formula 2

wherein X is O, R₁, R₂ and R₃ are individually H or straight or branched chain (C₁₋₄) alkyl group or cycloalkyl or phenyl or phenyl group optionally substituted at ortho or meta and or para position(s) by one or more groups like halo or nitro or straight or branched chain lower alkyl group having 1-4 carbon atoms or CF₃ with thiophosgene in known organic solvent medium.

Compl. pecn. 12 pages.

Drg. 1 sheet.

CLASS : 6B₈ and 122.

158842

Int. Cl. : B 03c 3/00, 3/04, 3/68.

"APPARATUS FOR PRECIPITATING DUST FROM A GAS STREAM."

Applicant : BLUE CIRCLE INDUSTRIES PLC., a British company of Portland House, Stag Place, London, SW1E 5BJ, England.

Inventor : ANTHONY ROLAND COPPEN.

Application for Patent No. 811/Del/82 filed on 4th November, 1982.

Convention Date on 13th November, 1981/8134319/Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

Apparatus for precipitating dust from a gas stream, comprising means for defining a path for the gas stream through at least one electrostatic precipitator, said at least one precipitator having electrode means for generating one or more electric fields in said at least one precipitator, each said electrode means being connected to a rectifier set; dust-monitoring means located in the path of said gas stream emerging from said at least one precipitator; said dust-monitoring means being adapted to generate a data signal indicative of the concentration of dust in the emerging gas stream, which data signal is conveyed to a control means connected to said dust-monitoring means; the control means being preprogrammed with a predetermined dust-concentration target for the emerging gas stream and being adapted to compare said data signal with said predetermined dust-concentration target, any difference owing to said comparison being reflected by a signal from said control means which is conveyed to said at least one rectifier set, also connected to said control means, to alter the current of said rectifier set and thereby produce a variation in electric field intensity in said at least one precipitator in the sense required to reduce said difference.

Compl. Specn. 19 pages.

Drg. 1 sheet.

CLASS : 32F₃(b).

158843

Int. Cl. : C07d 7/00.

"A PROCESS FOR PREPARATION OF [OXO-4-4H-(1)-BENZOPYRAN-B-YL] ALKANOIC ACID DERIVATIVES".

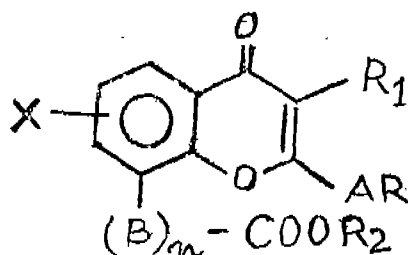
Applicant : I.P.H.A. LYONNAISE INDUSTRIELLE PHARMACEUTIQUE, a French company of 34, rue Saint Romain-69008 LYON, France.

Inventors : PHILIPPE BRIET, JEAN JACQUES BERTHELON, FRANCOIS COLLONGES.

Application for patent no. 848/Del/82 filed on 18th November, 1982.

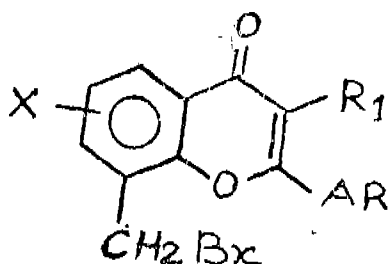
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.
2 Claims

A process for preparation of (oxo-4-4H(1)-benzopyran-8-yl) alkanolic acid derivatives corresponding to formula I



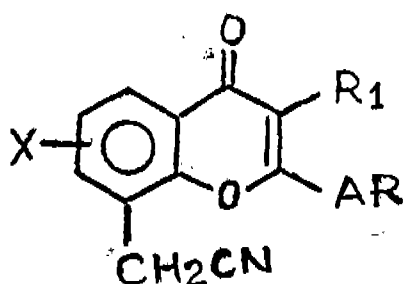
Formula I

in which AR is hydrogen, or a phenyl radical, alkoxy phenyl radical, dialkoxyphenyl, alkyl-phenyl, thenyl, furyl, naphthyl, alkyl, cycloalkyl or benzyl; B is an alkyl radical, linear or branched, either saturated or ethylenically unsaturated; R₁ is a hydrogen or phenyl radical, R₂ is a hydrogen atom, or an alkaline metal, or alkyl radical containing from 1 to 2 atoms of carbon, a lower hydroxyalkyl such as herein described, a lower dialkyl such as herein described, a lower trialkyl such as herein described, lower aminoalkyl such as herein described, or morphoethoxyethyl radical; and X represents a hydrogen atom or a lower alkyl or alkoxy radical; and n-1; which comprises treating a bromomethyl-8-benzopyranone-4- of formula II



Formula II

in which; AR, R₁ and X have the same meaning as defined above with a cyanide of an alkaline metal in a boiling alcoholic medium to produce a nitrile of formula III,



Formula III

hydrolyzing said nitrile, and if desired, treating the acid so produced in a manner such as herein described to obtain the desired derivatives corresponding to formula 1.

Compl. Specn. 28 pages.

Drg. 1 sheet.

CLASS : 129 E.

158844

Int. Cl. : B 26j 9/00.

"A FORGING PRESS".

Applicant(s) : GKN FORGINGS LIMITED, a British company of P. O. Box 4, Bromsgrove, Worcestershire, B 60 3 DZ, England.

Inventor(s) : ROBERT MURRAY GARDNER & RONALD LEVI THOMPSON.

Application for Patent No. 853/DEL/1982 filed on 22nd November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A forging press for the production of flashless forgings from metal billets or pre-forms comprising an openable and closable die assembly (12) defining therein a die cavity, a press head adapted to move reciprocally into engagement with and away from said die assembly and a die head (26) provided on said press head and adapted during a forging stroke to engage with said die assembly to forge a metal billet or pre-form located within said die cavity to a shape corresponding to the shape bounded by the die cavity and the die head characterised in that said die assembly is provided with releasable locking means (22-24) adapted to engage a co-operating part of said die assembly so as to lock said assembly in its closed condition and said press head is provided with means within which said die head is adapted axially to retract if the pressure on said die head during a forging stroke reaches or exceeds a pre-determined maximum.

Compl. Specn. 15 pages.

Drgs. 3 sheets.

CLASS : 195 B&D, 128 G.

158845

Int. Cl. : F 16'k 9/00, 21/04.

"VALVE FOR DRAINING OFF CEREBRO-SPINAL FLUID FROM BRAIN".

Applicant : GHANSHYAM DAS AGGARWAL, an Indian national of Biryanganj, Shahjahanpur-242 001 U.P. India.

Inventor : GHANSHYAM DAS AGGARWAL.

Application for Patent No. 873/DEL/1982 filed on 25th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A valve for draining off the cerebro-spinal fluid from the cranial cavity to the heart of a patient comprising a tubular member closed at both ends and provided with an inlet pipe at its upper end and an outlet pipe at its lower end, the said two pipes being provided with coupling means for connecting separate pipes to them, and a valve tube closed at its lower end and fitted in a stopper provided inside the tubular member, intermediate of its upper and lower ends, and fixed rigidly thereto the lower end of the valve tube being formed with cuts or slits at its lower end.

Compl. Specn. 8 pages.

Drg. 1 sheet.

CLASS : 48D, & 64B.

158846

AMENDMENT PROCEEDINGS UNDER SECTION 57

Int. Cl. : H01b 17/18.

"MOULDED INSULATOR ASSEMBLY FOR PROTECTION OF BUS BARS AND BUS BAR DROPPERS".

Applicant : BHARTIA CUTLER HAMMER LIMITED, of 1101, New Delhi House, 27 Barakhamba Road, New Delhi-110 001, India, an Indian company.

Inventor : RIDLEY BILLINGHAM.

Application for patent no. 909/Del/82 filed on 13th December, 1982.

Convention date 19th December, 1981/8138346/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A moulded insulator assembly for protecting bus bars and bus bar droppers, comprising : a substantially flat front member having height and width, and plural apertures, each at height positions different from each other and at width positions different from each other on the front member, aperture covers detachably mounted to the front member each to cover a respective aperture, and exit slot provided by a cutaway in each said aperture cover at an edge adjacent the front member; and a rear member provided to the rear of the front member and being of similar height and width to the front member, and being formed in a direction away from the front member, with rearward bends and in a direction towards the front member with approximate U-turns at different heights to form spatially separated horizontal channels; wherein said front member at heights thereon intermediate between said apertures is detachably secured to said U-turns of said rear member, the bottom and top edge portions of the front and rear member are located close to each other to complete at least top and bottom insulating ducts for buses in said channels, said aperture covers each providing a respective covered exit for droppers joined individually to respective bus bars housed in the separated channels.

Compl. Specn. 18 pages.

Drg. 5 sheets.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. Orissa Cement Limited to the grant of a patent on application No. 157804 dated the 15th March, 1982 made by General Refractories Company.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title of the invention in the application + completed Specification in respect of Patent application No. 155044 (earlier number 257/BOM/1981) the acceptance of which was notified in Part III, Sec. 2 of the Gazette of India, dated the 22nd December, 1984 has been corrected and the claim 8 of the complete specification has been deleted.

(2)

The title of the invention in the application & completed specification in respect of Patent application No. 155045 (earlier number 258/BOM/81) the acceptance of which was notified in Part III, Section 2 of the dated the 22nd December, 1984 has been corrected and the claims 8 of the completed specification has been deleted.

PATENTS SEALED

155041 156186 156395 156406 156426 156436 156500 156520
156526 156530 156600 156601 156606 156613 156636 156640
156643 156648 156787 156819 156843 156861 156863 156867
156873 156897 156903 156907 156918 156923 156924 156925
156944 156945 156949 156972 156978 156979 156980 156992
156997 157030 157049 157050.

(1)

The amendment proposed by Asahi Kasei Kogyo Kabushiki Kaisha in respect of Patent application No. 154593 as advertised in Part III, Section 2 of the Gazette of India, dated the 21st June, 1986 have been allowed.

(2)

Notice is hereby given that Lucas Industries Plc., a British Company of Great King Street, Birmingham, B 19 2XF, England has made an application under Section 57 of the Patents Act, 1970 for amendment of specification of his application for Patent No. 156368 for "A fuel injection pump". The amendments are by way of correction explanation and disclaimer so as to describe and ascertain the invention more correctly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested is opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within the one month from the date of filing the said notice.

RENEWAL FEES PAID

138297 139888 140296 140366 140412 140413 141441 141443
141513 141515 141682 141683 141684 141960 142575 143335
143484 143722 144008 144344 144389 144620 145028 145046
145115 145122 15168 145305 145313 145337 145446 145632
145670 145681 145814 145850 145982 145987 146053 146614
146794 146884 147145 147427 147458 147591 147621 147657
147694 147695 147735 147795 148101 148131 148261 148328
148497 148700 148872 148915 149396 149411 149414 149423
149424 149539 149778 149827 149902 150036 150105 150157
150170 150283 150285 150298 150330 150350 150398 150411
150466 150484 150526 150670 150864 151067 151113 151186
151233 151445 151654 151718 151823 151900 151945 152023
152076 152102 152122 152163 152177 152202 152283 152341
152342 152365 152537 152608 152749 152922 152976 153179
153213 153246 153410 153502 153544 153613 153648 153662
153663 153851 153856 153895 154038 154138 154228 154265
154355 154488 154638 154648 154807 154817 154947 155116
155117 155180 155209 155250 155284 155304 155319 155324
155368 155625 155662 155663 155795 155836 155879 155880
155917 155935 155967 155976 155979 155980 156005 156018
156030 156069 156101 156113 156154 156163 156203 156204
156205 156211 156212 156218 156243 156286 156303 156460
156484.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157189. Larsen & Toubro Limited, of I.T. House Ballard Estate, Bombay 400001, Maharashtra, India, an Indian Company. "Three Pole on off Electric Switch". 23rd June, 1986.

Class 3. No. 157156. Ujwal Industries, (a regd. Partnership Firm) at 118, C.D. Govt. Industrial Estate, Kandivli (West), Bombay 400 067, Maharashtra State, India. "Dispenser". 17th June, 1986.

Class 3. No. 157190. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay 400 001, Maharashtra, India, an Indian Company. "Three Pole on off Electric Switch". 23rd June, 1986.

Class 3. No. 157245. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay 400 001, Maharashtra, India, an Indian Company. a "Single Pole Breaker with Isolating Link". 10th July, 1986.

Class 3. No. 157246. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay 400 038, Maharashtra, India, an Indian Company. a "Single Pole Breaker Terminal Shroud with Isolating Link". 10th July, 1986.

Class 3. No. 157249. Larsen & Toubro Limited, of L & T House, Ballard Estate, Bombay 400 038, Maharashtra, India, an Indian Company. a "Three Pole Breaker". 11th July, 1986.

Class 3. No. 157258. Digital Equipment Corporation, a corporation organized and existing under the laws of the State of Massachusetts, United States of America whose principal Place of business is 146 Main Street, Maynard, Massachusetts, 01754, United States of America. "a Video Terminal". 14th July, 1986.

Class 3. No. 157267. Pinto Chemical Company Limited, a Company organised and existing under the laws of England of 1 Lincoln House, Basil Street, London, SW3, England. a "Case for a Sewing Machine". 17th July, 1986.

Class 3. Nos. 157282, 157283. Select Sport A/S, a Danish Joint-stock company of Fabriksparken 46, 2600 Glostrup, Copenhagen, Denmark. "A Football". 25th July, 1986.

Class 3. Nos. 157302, 157303. Digital Equipment Corporation, a corporation organised and existing under the laws of the State of Massachusetts, United States of America of 146 Main Street, Maynard, Massachusetts, 01754, United States of America. a "Circuit Board". 31st July, 1986.

Class 4. No. 156805. Choksons Private Limited of Saki Vihar Road, Powai, Bombay 400 072, Maharashtra State, an Indian Company. "The single block of Switch fuse". 20th March, 1986.

Class 4. Nos. 156806, 156807. Choksons Private Ltd., of Saki Vihar Road, Powai, Bombay 400 072, Maharashtra State, India, an Indian Company. "The fuse unit". 20th March, 1986.

Class 4. No. 156808. Choksons Pvt. Ltd. of Saki Vihar Road, Powai, Bombay 400 072, Maharashtra State, India, an Indian Company. "The Switch Fuse". 20th March, 1986.

Class 6. Nos. 157284, 157285. Select Sport A/S, a Danish joint-stock company of Fabriksparken 46, 2600 Glostrup, Copenhagen, Denmark. "A Football". 25th July, 1986.

Extn. of Copyright for the Second period of five years.
Nos. 150229, 150370. Class 1.
Nos. 150312, 150313. Class 3.

Extn. of Copyright for the Third period of five years.
No. 150229. Class 1.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.